

# The 50 MHz DX Bulletin

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The 50 MHz DX Bulletin was founded by Harry Schools K3HS. It is dedicated to the understanding and utilization of long distance propagation in the 6-meter Amateur band. The current editor and publisher is Victor Frank, K6FV. Subscription rates are \$24 U.S. first class mail, \$27 Canada/Mexico airmail, and \$30 by airmail elsewhere for 12 issues. Payments may be made to k6fv through PayPal. Circulation matters and DX reports should be sent to Victor R. Frank, K6FV, 12450 Skyline Blvd., Woodside, CA 94062-4554 USA. My Internet address is victor.frank@sri.com. My web site is <http://www.qsl.net/k6fv>. The bulletin may be freely quoted, provided that credit is given.

## DX Operations

Most of the listings in this column came from SM7AED's notebook.

**Mongolia, JT1Y, JT0Y:** A group of Italian radio amateurs plans to operate HF-6m with emphasis on 12m and 6m from 2 locations in Mongolia between April 19 and May 8.

**Indonesia, YC6JKV:** and YB6LYS, YB6PLG, YB1BOD, and YC6LAY will be active from Nias Is. (OC-161) between April 20-27. They plan to operate for 5 days on 6, 10, 15, 20m and 40m. Details at <http://www.toba-dx-group.org/nias/>

**Andaman Islands, VU4:** A group of ten radio amateurs plan to operate 3-4 stations on 160-6m between April 18 and May 25. See <http://groups.yahoo.com/group/VU-CHAT>.

**Mozambique, C9:** Frosty, K5LBU, and Tom, WW5L, plan to operate HF, 6m, and 2m EME from Bilene from June 29-July 13. They have room for more team members. If you're interested, contact K5LBU at frosty1@pdq.net. See their web page at <http://www.tdxs.net/C9.html> for more details.

**Malawi, 7Q7PF:** Cato is listed as being active on various digital modes on 40 to 6m.

**Albania, ZA/IK0OKY:** Emilio, a UN Peace-Keeper in Tirana (JN91wh) until August 2006 will be active evenings from 20Z to 23Z and weekends from 0630Z onwards in FSK441A. He is active on 6m and 2m MS. He says that Tirana is surrounded by mountains, so VHF is very difficult.

**Italy, IB0/IQ2LB, EU-045:** A group of radio amateurs from Italy plan to operate 160-2m from Ventotene Is. on April 22-24.

**Monaco:** as of January 26 has 50-52 MHz assigned to the amateur service with 51.2-52.0 MHz secondary shared. Also assigned are 70.0-70.5 MHz secondary shared and 135.7-137.8 MHz.

**Denmark, OZ/DL2VFR:** Ric plans to be active on HF-6m from Laeso Is. (JO57)(EU-088) July 23-30 including the RSGB IOTA contest July 29-30.

**Svalbard, JW4GHA:** Roger, LA4GHA, currently active as T98GHA until the end of November plans to operate 160-2m from Bear Island (EU-027) between December 1 and June 2006.

**Jan Mayen, JX9NOA:** is QRV, but indicates propagation is poor now. He plans to stay there until October 2006.

**Scotland, GM, EU-189:** Terje, LA3OHA, is organizing a dxpedition to Rockall in IO37, June 16-28. <http://www.dxpediton.org>

**Spain, EH7AB/p:** EH7AB is planning to activate a rare grid/locator IM96BW in Almeria in June.

**Bermuda, VP9/N0JK:** Jon will on 50, 144, and 432 MHz from Bermuda for the 2006 ARRL June VHF QSO Party. Outside of the contest he will focus on working Europe.

**Alaska, KL7:** Jimmy, W6JKV/5, decided that a warm spot with family was a better idea. See V4 below.

**Haiti, HH4/W3CMP:** Chris plans to travel to Haiti June 17-28 for a 6 and perhaps 2m DXpedition. He will operate from St. Louis du Nord on the north coast (FK39).

**Puerto Rico, KP4/K3TRM:** Frank will be on a family holiday in El Verde and plans activity on 80-6m from April 8-17.

**St. Kitts, V4/W6JKV:** Jimmy plans to operate 6m with good equipment and antenna from June 21 until July 2 this summer.

**Aves Is., YX0A:** Members of Radioamateurs of Venezuela and the Grupo DX Caracas have announced a 2006 DXpedition to Aves Island. They hope to be on the air April 19 and to operate 160-6m through two weekends. <http://www.yv0.info/>

**Argentina:** A map showing the location of LU/LW stations on 50 MHz is at <http://www.lw3ewz.com.ar/mapa6/index.html> It will run with Google Earth Software.

**Samoa, 5W0TR a.o.:** A group of radio amateurs from US 8th call district is planning to activate 3 stations on 160-6m and 144/432 satellite from Upolu between July 25 and August 10. Favored 6m frequency is 50.115.

## Beacon News

**Argentina, LU4HH:** is a new beacon in Cordoba, FF78UP, on 50.060. The power out is 1 Watt to an omnidirectional vertical 36m above ground. LW3EWZ.

**Argentina, LU1DMA:**, in GF05XI is now on 50.008 running 10W.

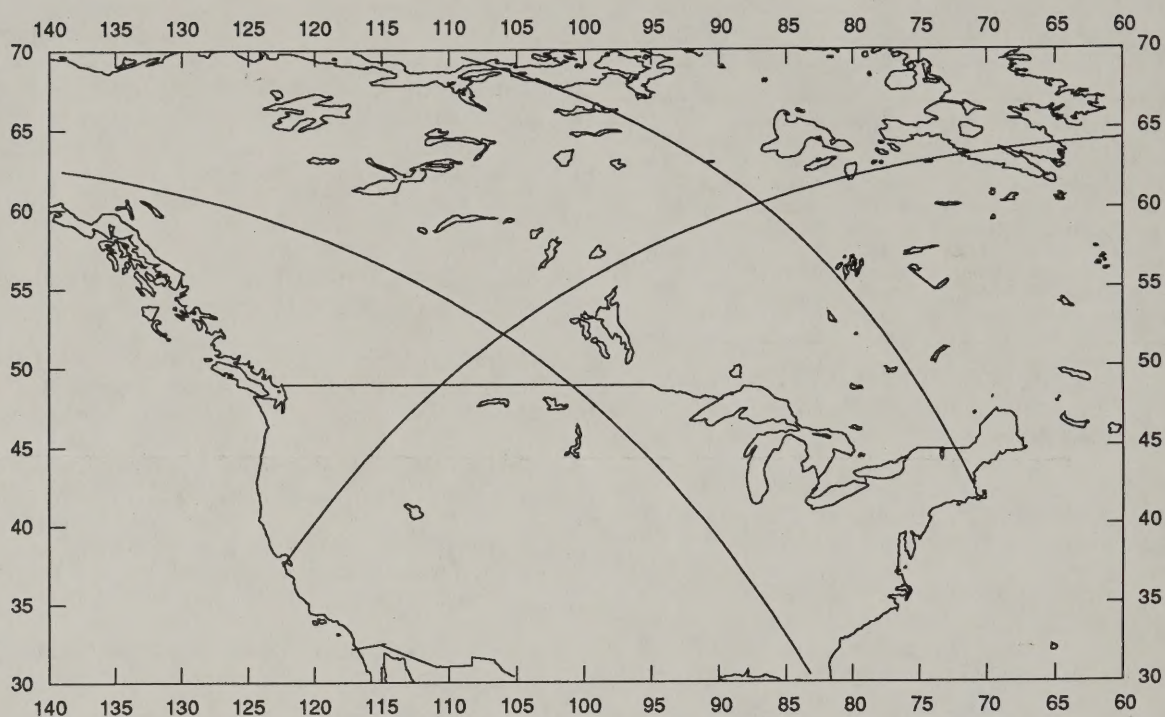
**Australia, VK3RMV:** is reported by VK3MC on March 29 to be closed down.

**Greenland, OX3VHF:** is reported by OZ1DJJ on March 26 to be back on the air on 50.045.

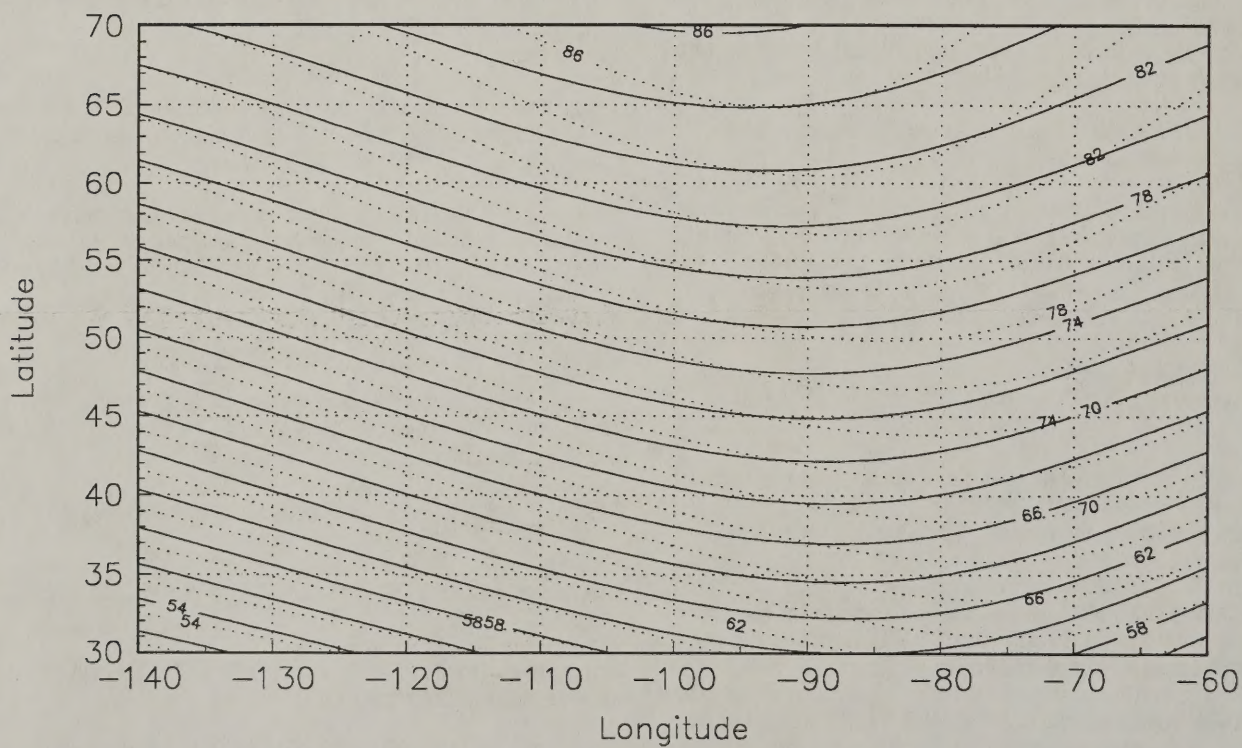
**California, K6FV:** 50.069 is due for seasonal change to NE antenna from SW as soon as Es season starts. (Late April?)



## Polar Great Circle Paths Over North America

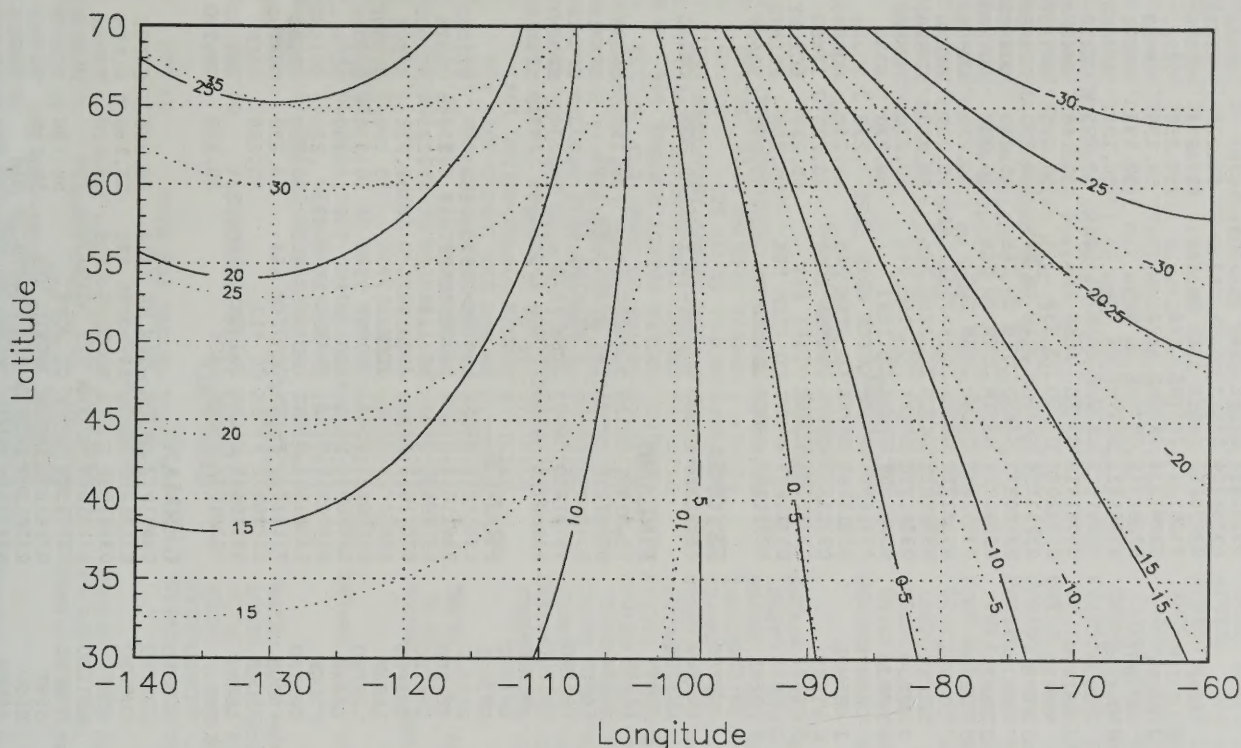


## 300 km Geomagnetic Field Dip Angle 2006/1960





## 300 km Geomagnetic Field Declination 2006/1960



### Changes in the Geomagnetic Field between 1960 and 2006

As I reported last month, the Earth's north magnetic pole, and magnetic field pattern is moving towards Siberia. Larry Newitt of the Geological Survey of Canada hasn't reported a new position for the north magnetic pole, but scientists have produced their latest field model based on satellite measurements. I downloaded IGRF05 (International Geomagnetic Reference Field) last month and compared its predictions for 2006 with an old 1960 model. The models (updated every five years) are of degree and order 12. They describe only the long wavelength spatial magnetic fluctuations due to sources in Earth's core. Not included are intermediate and short wavelength spatial fluctuations originating in Earth's mantle and crust. Isolated angular errors due to these of up to several degrees may be expected.

Why this is of interest to six meter DXers may be gathered from the first plot on the previous page. It shows the first half of great circle paths from 1) San Francisco to London, 2) Boston to Sapporo and 3) Miami to Sapporo. These paths are difficult on 50 MHz, but path 1 was open by F2-layer in previous cycles. F2-layer critical frequencies generally decrease with latitude in the areas where the signals are inside the F-region for paths this far north.

F2-layer critical frequencies are more closely aligned with magnetic field dip angles than latitude. Dip angles are shown in the second figure on the previous page. The solid lines are the predictions for 2006 and the dotted curved lines are the predictions for 1960. At 70° W Longitude, the 80° dip contour has moved about 5° N over 46 years.

The figure on the top of this page shows the declination for 2006 (solid) and 1960 (dotted). The declination is the clockwise azimuthal angle that the compass needle points from true north. Changes of 5° in 46 years are evident over much of the map and increase as one approaches the location of the magnetic pole.

### March 2006 DX Reports

The following reports of 50 MHz DX propagation are courtesy of JA1VOK, VE7SKA, W5UWB, W9JUV, K6QXY, G4UPS, and postings on the Internet.

Listings obtained from the OH2AQ reflector include distances in kilometers. These are determined preferentially from the grids in the post, and otherwise from one or both of the prefixes of the calls. Note that the latter results in VERY rough approximations to the distances, especially for large countries and call areas.

The first entry is *mmddhhii*, where *mm* is the month, *dd* is the day of the month, *hh* is the hour UTC, and *ii* is the minutes after the hour. The year is understood to be 2006. Symbols just before the call of the reporting station include: V=Video Carrier, I=Inband video sidebands, F=FM audio, B=beacon, C=CW, D=Telemetry Data, J=Digital, typically JT6M or JT65A for EME, R=RTTY, S=SSB, W=mode not mentioned (or both CW & SSB), H=heard only. BSc = backscatter.

### Reports of Africa

#### CANARY IS.

03301553 EH8BPX 59 1365 50.110 CT1FMX

#### GAMBIA

03271557 C56W VY QSB 5081 50.100 DL3AMA

#### SAO TOME

03121117 S9SIX 589 4356 50.083 B CT1AOZ

#### SIERRA LEONE

03101444 9LVIDEO S3 QSB 4758 50.001 SV1DH

### Reports of Asia

#### JAPAN

03080459 JR6EXN/.192 EME 10550 .031 J K1SG



# Reports of Europe

## ALAND IS.

03091841 OH0A JP90XD 658 50.140 SM1TDE

## AUSTRIA

03040739 OE5MPL CQ JT6M 980 50.230 OZ1DJJ  
03050929 OE5MPL JT6M MS 1491 50.230 J GOCHE  
03050945 OE5MPL JT6M 943 50.230 J F8RZ  
03070853 OE5MPL CQ JT6M MS 1340 50.230 H GU8FBO  
03101006 OE5MPL JT6M MS 1491 50.221 J GOCHE  
03101502 OE5MPL CQ JT6M 1491 50.230 GOCHE  
03101725 OE5MPL JN78CJ>JO50 329 50.230 DB6NI  
031140835 OE5MPL JN78CJ>JO50 329 50.230 DB6NI  
031140835 OE5MPL JN78CJ>JO50 329 50.230 DB6NI  
03200934 OE5MPL JN78CJ>JO50 329 50.230 DB6NI  
03261228 OE5MPL JN78CJ>JO50 329 50.230 DB6NI

## BELGIUM

03021814 ON4IQ JO20AR>IN73DM 1087 EB1EHO  
03022012 ON4IQ JT65A -22 EME 50.202 J K6QXY  
03032130 ON4GG JT65A -22 EME 50.202 J K6QXY  
03051227 ON4IQ 90W 2591 50.235 ES6DO  
03061719 ON6AB MS BRUNO 1922 50.230 J G4IGO  
03071828 ON4IQ -26DB JT65AEME 50.203 J W5UWB  
03161852 ON6AB JT6M MS IN89QK 1823 J GU8FBO  
03171715 ON6AB CQ JT6M 1922 50.230 GOCHE  
03190727 ON4GG 55 565 KM 50.155 G0JHC  
03190727 ON4GG CQ 1109 50.155 F6FHP  
03190743 ON4GG CQ 1109 50.155 F5HRQ  
03190745 ON4GG 59-JN18 1465 50.155 HB9QY  
03191015 ON4GG 43 1115 50.155 HB9QY  
03191056 ON4GG 42 1922 50.155 G4PCI  
03191056 ON4GG CQ >JN65 889 50.155 S57RR  
03191602 ON6AB CQ JT6M 1922 50.230 GOCHE  
03191604 ON6AB JT6M TR 1922 50.230 G4PCI  
03311049 ON6AB CQ JT6M 1197 50.230 HA3MQ

## CZECH REPUBLIC

03130841 OK1KRY 1570 50.230 J G4DEZ

## DENMARK

03021417 OZ3ZW CQ JT6M MS 1086 50.230 G4PCI  
03040924 OZ0JD JT6M MS 1128 50.230 H GU8FBO  
03040928 OZ1DJJ JT6M MS 1188 50.225 J F8RZ  
03040950 OZ0JD CQ 1086 50.230 G4PCI  
03051101 OZ0JD CQ JT6M MS 1086 50.230 J G4IGO  
03061908 OZ8ZS MS/IONO 1086 50.230 J G4IGO  
03061911 OZ8ZS CQ JT6M MS 1086 50.230 G4PCI  
03061917 OZ1BNN MS/IONO 1086 50.230 G4IGO  
0307071518 OZ3ZW JT6M MS 1086 50.230 G4PCI  
03071533 OZ3ZW JT6M MS 1128 50.230 H GU8FBO  
03091826 OZ8ZS JT6M MS 1086 50.250 J G4PCI  
03091949 OZ21D JT6M IONO/MS 1086 50.230 J G4PCI  
03120910 OZ3ZW JT6M MS 1086 50.222 J G4PCI  
03120917 OZ3ZW JT6M MS 1086 50.222 J G4PCI  
03121356 OZ3ZW CQ JT6M 1128 50.230 H GU8FBO  
03141532 OZ3ZW TORBEN 1086 50.230 J GOGMS  
03180815 OZ3ZW CQ JT6M 929 50.230 GW6TEO  
03180824 OZ3ZW AU TORBEN 555 50.098 LA8NK  
032211752 OZ3ZW JT6M 1128 50.230 GU8FBO  
03221843 OZ8ZS JT6M MS 1086 50.230 G4PCI  
03261151 OZ3ZW JT6M MS 1086 50.230 G4PCI  
03281748 OZ50MHZ 55 JO55>JO43 257 DL2NO  
03281921 OZ50MHZ 36 JT6M 1086 50.230 G4PCI  
03281944 OZ50MHZ JT6M MS 1086 50.236 J G4PCI

## ENGLAND

03010944 G4DEZ 1533 50.230 S59F  
03011619 G4DEZ MS JT6M 1086 50.230 H OZ1DJJ  
03011926 G8PL JT65A EME JO01OV 50.203 J K6QXY  
03020728 G8VX 1550 50.230 SP9HWY  
03021214 G8VX CQ JT6M 265 50.230 H GU8FBO  
03021339 G4DEZ CQ JT6M 1086 50.230 OZ0JD  
03030954 G7KSE JT6M MS IN73DM 802 J EB1EHO  
03031446 G8VX CQ 1922 50.230 ON4IQ  
03040903 G4DEZ JT6M JEAN 813 50.230 J F8RZ  
03040923 G10AR CQ 1086 50.230 OZ0JD  
03040942 GOGMS JT6M 813 50.230 J F8RZ  
03041027 G10AR JT6M IN89QK 157 50.230 J GU8FBO  
03050953 G8PL 77DB JN78CJ 1262 50.230 OE5MPL  
03051006 G8PL ANDY 50.230 GOCHE  
03051044 GOCHE 1086 50.230 J OZ0JD  
03051053 G8PL 1086 50.230 J OZ0JD  
03060845 G0KX 11DB PETER 1491 50.230 J OZ0JD  
03061034 G3ZJO 48DB JT6M MS 1491 50.230 J OZ0JD  
03061727 G4IGO 26 813 50.230 H F1F5H  
03091820 G4DEZ 1086 50.250 J OZ8ZS  
03091827 G4PCI 1086 50.250 J OZ8ZS  
03092117 G4DEZ JT6M 1412 50.230 J LA8NK  
03100718 G8VX JO01FO>IN73DM 1009 EB1EHO  
03101518 GOCHE JT6M 265 50.230 GU8FBO  
03110939 GOGMS 1082>IN73 1018 50.230 EB1EHO  
03111647 G4IGO JT6M 265 50.230 GU8FBO  
03112134 G10AR 1082>JO55 971 50.235 J OZ8ZS  
03112233 G4DEZ CQ 1412 50.230 LA8NK  
03112236 G4DEZ CQ JT6M 1550 50.230 SO5AS  
03120849 GOCHE 1412 50.230 LA8NK  
03121038 GOCHE 1090>IN73 853 50.230 EB1EHO  
03121647 G4DEZ JO03AE>IN73DM 1154 EB1EHO  
03130909 G4DEZ JO03AE>IN73DM 1154 EB1EHO  
03131943 G4DEZ JO03AE>IN73DM 1154 EB1EHO  
03141847 G4PCI CQ JT6M 333 50.230 GW3ORL  
03151334 GOCHE CQ JT6M 1086 50.230 OZ1DJJ  
03151612 GOCHE 1090>IN73 853 50.230 EB1EHO  
03152143 G10AR CQ JT6M 333 50.230 GW6TEO  
03161252 G8VX JT6M MS 265 50.230 GU8FBO  
03180849 GOGMS CQ 1412 50.230 LA8NK  
03181053 GOCHE CQ JT6M 265 50.230 GU8FBO  
03190840 G4DEZ CQ 1412 50.230 LA8NK  
03190939 GOCHE 1090>IN73 322 50.230 F5DQK  
03191057 G4IGO JT6M MS 333 50.230 GW6TEO  
03191103 G4IGO 1080>IN73 444 50.230 F5DQK  
03191106 G4DEZ JO03AE>JN18GR 525 F5DQK  
03191932 G4DEZ CQ 1412 50.230 LA8NK  
03201456 GB3BAA 419 IO13>JO31 1644 B DH6JL  
03211950 G8PL JO01>IN73 1019 50.230 J EB1EHO  
03220840 GOCHE CQ JT6M 265 50.230 GU8FBO  
03221329 GOCHE CQ JT6M 265 50.230 GU8FBO  
03221545 G4PCI JT6M MS 265 50.230 J S59F  
03221549 G4PCI GEORGE 1533 50.230 J S59F  
03231045 G3ZJO 1092NG>IN73DM 1036 EB1EHO  
03241655 GOCHE JT6M 265 50.230 GU8FBO  
03241701 GOCHE KEV 1533 50.230 S59F  
03241707 G8VX 1533 50.230 S59F  
03241720 G8VX JO01FO>JN18GR 352 F5DQK  
03241858 G8VX JN18GR 444 50.230 F5DQK  
03260905 G4PCI JT6M 1122 50.230 EB7COL

03260924 GOGMS JT6M 927 50.230 HA6NN  
03260934 G4PCI JT6M 927 50.230 PF7M  
03261004 GOCHE JO65AN>JN98 917 50.230 HA3MQ  
03261042 GOCHE JO65AN>JN98 917 50.230 HA6NN  
03261438 G4DEZ JT6M TR >JO21 1678 50.230 HA6NN  
03261439 G4DEZ CQ TR 596 50.230 PE1M2S  
03270851 G0KX JT6M TR 265 50.230 GU8FBO  
03281207 2E0TWS 1086 50.250 OZ2PJ  
03281734 GX7VHF 1922 50.135 PA5VL  
03281742 GX7VHF CQ 596 50.135 PA5VL  
03281821 GX7VHF MS 434 50.135 EI7RMB  
03281913 GX7VHF WEAK MS 1086 50.135 H OZ2LND  
03281916 G3SED WEAK 925 50.144 G24NFC  
03282043 G3SVD CQ 333 50.145 GW7SMV  
03282104 GX7VHF JT6M TR 265 50.230 J GU8FBO  
03290917 G3ZJO JT6M TR 265 50.230 GU8FBO  
03290924 G3UYM JT6M TR 265 50.230 GU8FBO  
03291650 GOCHE JT6M 265 50.230 GU8FBO  
03291710 G4DEZ JN98>JO03 1423 50.230 HA6NN  
03301025 G4IGO CQ JT6M 265 50.230 GU8FBO  
03301110 G8VX CQ JT6M 265 50.230 GU8FBO  
03301808 G4DEZ CQ 1533 50.230 S59F  
03310016 G4DEZ QUICK BRYN 1550 50.230 J SO5AS  
03311145 G8VX CQ JT6M 265 50.230 GU8FBO  
03311200 G8VX JN450A 1094 50.230 J I2WSG  
03311332 GOCHE >IN82 889 50.230 FC1DMY  
03311839 G4DEZ CQ JT6M 596 50.230 PE1M2S  
03311857 G4DEZ JN98>JO03 1423 50.230 HA6NN

## ESTONIA

03051225 ES6DO KO27>JO20 1550 50.235 ON4IQ

## FINLAND

03091951 OH1AU >JP81NG 684 50.160 SM3BEI  
03092010 OH8RAC MS KP30>JO80 1289 B SP6MLK  
03120757 OH8RAC V.WEAK MS 1173 50.235 J SP6MLK  
03151859 OH8VJ JT6M 1173 50.230 SP9HWY  
03260706 OH8RAC PINGS KP30>JO80 1289 B SP6MLK

## FRANCE

03011012 F6GEX IN97NA>JO57GI 1383 OZ1MAX  
03011016 F6GEX SHORT BURST 813 50.230 H G3UYM  
03040931 F8RZ MS 1188 50.225 J OZ1DJJ  
03041013 F8RZ JT6M 813 50.225 J G4PCI  
03050821 F8RZ JT6M 1177 50.230 SP9HWY  
03050821 F8RZ JO90NH 1178 50.230 J SP9HWY  
03050946 F8RZ 43DB JN78CJ 768 50.230 OE5MPL  
03090702 F8RZ IN73DM>IN95 433 50.230 EB1EHO  
03101503 F6GEX CQ JT6M 813 50.230 GOCHE  
03111831 F6GEX CQ JT6M 563 50.230 GU8FBO  
03120922 F6GEX CQ 813 50.230 GOCHE  
03140845 F6CHT IN73DM>IN88EC 534 EB1EHO  
03261046 F5DQK 1059 GW6TEO

## GERMANY

03071812 DF2UQ JT6M MS 1012 50.230 G4PCI  
03121215 DL4U 59>JO30 431 50.130 S DL8PM  
03121938 DJ0LZ BOOMING 1509 50.110 Z322M  
03131643 DL7ARM 529 JO43>JO62 289 DL8BDU  
03171509 DH3ZK CQ JO41 50.150 DL0FDX  
03261201 DK5IR JN49IC 513 50.155 DL7ACN  
03261209 DLINUX 519 MS>JO80IK 518 H SP6MLK  
03271558 DJ4LK JN59A TR 502 50.100 DL3AVA  
03281949 DK6JL JO31DH 657 50.155 G4BWP



# GUERNSEY

03040938 GU8FBO JT6M 1128 50.230 J OZ0JD  
03041812 GU8FBO CQ JT6M 265 50.230 G4PCI  
03060946 GU8FBO 1340 50.225 J OE5MPL  
03081853 GU8FBO IN73DM>IN89QK 698 50.220 J G3SLEW  
03101228 GU8FBO CQ JT6M 265 50.230 EBI1EHO  
03121536 GU8FBO CQ JT6M 265 50.230 GOCHE  
03161833 GU8FBO CQ JT6M 265 50.230 G4PCI  
03161854 GU8FBO RICHARD 1665 50.230 ON6AB  
03201452 GU8FBO 265 50.230 G4PCI  
03221511 GU8FBO CQ JT6M 265 50.230 G4PCI  
03231620 GU8FBO CQ JT6M 265 50.230 G4PCI  
03241442 GU8FBO CQ JT6M 265 50.230 GOCHE  
03251333 GU8FBO CQ JT6M 265 50.230 G4PCI  
03251334 GU8FBO JT6M MS 573 50.230 GW6TEO  
03311013 GU8FBO JT6M W/HA3MQ 614 H PF7M

# HUNGARY

03291054 HA3MQ JT6M MS 1218 50.230 OZ1DJJ  
03291119 HA3MQ CQ JT6M 1218 50.230 OZ1PIF  
03291149 HA3MQ JT6M J022PG 1301.230 PF7M  
03291636 HA4XG 1197 50.230 ON4IQ  
03291918 HA4YF 577 50.096 9A1Z  
03292016 HA3MQ CQ JT6M 1218 50.230 OZ1DJJ  
03292103 HA2RD CQ JT6M 1814 50.230 GOCHE  
03300957 HA6NN CQ JT6M 1329 50.230 PF7M  
03301640 HA4XG JT6M GEZA 468 50.230 J SP9HWY  
03310535 HA0DU BSC S 1085 50.110 H IZ8EPY  
03310952 HA3MQ CQ JT6M 1218 50.230 OZ1PIF  
03311045 HA3MQ CQ JT6M 1329 50.230 PF7M  
03311432 HA3MQ JT6M 1814 50.222 J GOCHE  
03311703 HA6NN CQ JT6M 1218 50.230 OZ1DJJ  
03311900 HA3MQ CQ JT6M 1329 50.230 PF7M

# ICELAND

03192220 TF3STX 539>IO75 1331 50.057 B MM0AMW

# IRELAND

03190105 EI2JD 539>IO74 427 50.147 GI4FUE

# ISLE OF MANN

03022025 GD0TEP 236 IO74>IN73 1221 EBI1EHO  
03051012 GD0TEP ANDY 1714 50.236 J OE5MPL  
03051024 GD0TEP 1024 50.236 J OZ0JD  
03051043 GD0TEP ANDY 1674 50.236 SP9HWY  
03051416 GD0TEP JT6M 721 50.230 H GU8FBO  
03211457 GD0TEP CQ JT6M 464 50.230 G4VCJ  
03291135 GD0TEP JT6M 464 50.236 G6CRV  
03301543 GD0TEP CQ JT6M 2026 50.230 HA3MQ  
03301601 GD0TEP CQ JT6M 464 50.230 G4PCI

# ITALY

03050901 IK2GSO JT6M 155 50.230 J F8RZ  
03091844 IV3STX 59 JN61>JN65 444 IW0BET  
03092034 I2ADN JN52>JN45 369 50.168 IK5RLP  
03151513 IK5ZUL VY WEAK>JN65 467 B S57RR  
03151958 IWBRSB 50.020 B I2ADN  
03171754 IQ6VP 539 JN62>JN65 333 B S57RR  
03181027 IZ6HQA MACERATA 779 50.150 S57RR  
03190844 IK0FTA 1019 50.155 ON4GG  
03260923 IZ2GOL LUIGI JN45>IO82 1168 G0GMS  
03260932 IZ2GOL JT6M MS 927 50.230 G4PCI  
03282131 IW4EHZ 1319 50.235 J Z38C  
03311003 IW0FFK CQ JT6M 1085 50.230 HA3MQ

# JAN MAYEN

03192151 JX7SIX 579>IO75 1678 50.079 B MM0AMW

# LITHUANIA

03092031 LX3W 685 50.138 SP6MLK  
03092040 LX3W CW SHORT>JO80IK 789 SP6MLK  
03092047 LX3W STAN 685 50.138 SP6MLK

# LUXEMBOURG

03051159 LX0SIX 569 1418 50.022 B ON4IQ  
03121008 LX0SIX 419>JO50UF 333 .022 B DK2EA  
03141424 LX0SIX 419PR JN39>JO50 306 B DK2EA  
03191633 LX0SIX JN39>JO50 306 50.022 B DK2EA  
03201500 LX0SIX 539 JN39>JO31 206 B DH6JL  
03201605 LX0SIX 419 JN39>JO50 306 B DK2EA

# MACEDONIA

03241907 Z38C JT6M ZOLI 940 50.235 J SP9HWY

# NETHERLANDS

03301039 PF7M 54 JO22OC>JN98 1056 HAGNN  
03301826 PE1BTX JT65A CLG K1SG .203 PF7M  
03311020 PF7M CQ JT6M 1329 50.230 HA3MQ

# NORWAY

03030818 LA7VH 1412 50.230 J G4DEZ  
03030945 LA7VH 7 JO90NH 1241 50.230 J SP9HWY  
03061514 LA7VH JT6M MS 1412 50.230 J G4PCI  
03152112 LA8NK CQ JT6M 1412 50.230 G4PCI  
03181006 LA8NK JT6M MS 1412 50.230 G4PCI  
03181557 LA8AV 55A 555 50.100 H OZ1DJJ  
03181633 LA5UF 55A 555 50.091 OZ1DJJ  
03190016 LA8HGA 55A 555 50.098 OZ1DJJ  
03190024 LA9TJA 51A JO59IX>JP51DE 111 LA8HGA  
03191005 LA8NK JO48>IO71 1180 50.222 GW6TEO  
03201001 LA7AJ JO59BA>JN78CJ 1210 OE5MPL  
03202115 LA8NK CQ JT6M 1146 50.230 GW6TEO  
03211746 LA7HJA 55A KO48KM>JP50 1028 LA8NK  
03221557 LA7AJ JT6M 1218 50.230 SP9HWY

# POLAND

03011158 SP9HWY JT6M MS 1456 50.230 GU8FBO  
03011854 SP9HWY JT6M 685 50.230 J SM5LE  
03020856 SP9HWY CQ JT6M MS 1550 .230 G3UYM  
03021435 SP9HWY CQ JT6M MS 1550 .230 G4PCI  
03031204 SP9HWY 1521 50.230 ON4IQ  
03040816 SP6GWB JT6M MS 770 50.225 J OZ1DJJ  
03050818 SP9HWY JT6M 1177 50.230 J F8RZ  
03050828 SP9HWY CQ JT6M 770 50.230 OZ1DJJ  
03092129 SP9HWY JT6M MS 770 50.233 J OZ1DJJ  
03110738 SP9HWY 27 JO90NH>JN64FD 849 IW4ARD  
03111027 SP9HWY JT6M MS 1550 50.230 GOCHE  
03111112 SP9HWY JT6M MS 1456 50.230 H GU8FBO  
03112252 SOSAS QUICK 1550 50.230 J G4DEZ  
03161717 SP9HWY JT6M MS 1550 50.230 G4PCI  
03180926 SP9HWY JT6M MS 1550 50.230 G4PCI  
03180930 SP9HWY JO90NH>JN18GR 1207 F5DQK  
03190734 SP9HWY MS JT6M 770 50.233 J OZ1DJJ  
03190917 SP9HWY JT6M MS 770 50.230 OZ1DJJ  
03215057 SP9HWY JT6M 1049 50.233 J ZKBD  
03261031 SP9HWY CQ JT6M 1521 50.230 ON6AB  
03261217 SP9HWY CQ JT6M 1550 50.230 GOCHE  
03261558 SOSAS JT6M MS 1550 50.230 G4PCI  
03281933 SP9HWY CQ JT6M 770 50.230 OZ1PIF

# PORTUGAL

03162001 CTIGYD PSK 2208 50.110 S51RS  
03291431 SP9HWY 468 50.230 J S59F  
03291748 SOSAS K002>JN96 682 50.230 SP6MLK  
03291820 SOSAS CQ JT6M 770 50.230 OZ1DJJ  
03301743 SP9HWY JO90NH>JN98 201.230 HA6NN  
03301807 SOSAS 468 50.230 J S59F  
03310017 SOSAS FAST 1550 50.230 J G4DEZ  
03312313 SOSAS CQ JT6M 1456 50.230 GU8FBO

# ROMANIA

03312124 YOZIS SZIGY 813 50.230 J SP9HWY

# SCOTLAND

03030916 GM4WJA IO87MN>IN73DM 1572 EBI1EHO  
03051100 GM4WJA FB MS 925 50.230 J G4IGO  
03102300 GB3LER 53A>IO75 603 50.064 B MM0AMW  
03111816 GM4WJA JT6M MS 1179 50.230 GU8FBO  
03180910 GM6VXB 1036 50.230 LA8NK  
03181134 GM6VXB JT6M TR/MS 925 .230 G4PCI  
03181152 GM4VX JT6M MS 925 50.222 G4PCI  
03181832 GB3LER 52A>IO75 603 50.064 B MM0AMW  
03182356 GB3LER 51A>JO59MX 675 .064 B LA8HGA  
03190033 MM0BSM 51A IO86AD>JO59 958 LA8HGA  
03191016 GM4WJA IO87MN>JN18GR 1047 F5DQK  
03191707 GB3LER 51A 404 50.064 B G4NFC  
03202006 GM4WJA CQ JT6M 925 50.230 G4PCI  
03202025 GB3LER 52A>IO75 603 50.064 B MM0AMW  
03211749 GB3LER 55A>IO86AD 513 .064 B MM0BSM  
03221714 GB3LER IN/OUT 1713 50.064 B F5TND  
03231746 GM6VXB CQ JT6M 1179 50.230 GU8FBO  
03261821 GB3LER WEAKLY AURORAL 404 B MM0AMW  
03271203 GM6VXB JT6M W/8VYK 1179 GU8FBO  
03272305 GB3LER IN/OUT IM63>IN96 1531B F5TND  
03280843 MM3FYA 55 CQ 925 50.145 G0JHC  
03291414 GM4VX JT6M MS 1179 50.230 GU8FBO  
03292115 GB3LER IN/OUT IP90>IN96 B F5TND

# SERBIA

03281536 YT1EU 339/339 50.111 YO7VS

# SLOVENIA

03010945 S59F 1533 50.230 J G4DEZ  
03011031 S59F JN65>IN73 1495 50.230 EBI1EHO  
03071753 S59F JT6M 1366 50.230 H GU8FBO  
03120858 S59F JT6M MS 1533 50.230 G4PCI  
03171708 S57RR 519 >JO80IK 438 .100 SP6MLK  
03181636 S57RR 419 >JO80IK 438 .095 SP6MLK  
03181659 S57RR 569PR JN65>JO50 575 DK2EA  
03190827 S59F CQ JT6M 1619 50.230 GW6TEO  
03190948 S57RR 55 >IN96 1374 50.150 F5GTR  
03215332 S59F CQ JT6M MS 1533 50.230 G4PCI  
03241620 S59F JT6M MS 1533 50.230 G4PCI  
03241656 S59F JT6M IVO 1533 50.230 J GOCHE  
03241730 S59F JT6M 1366 50.230 J GU8FBO  
03241919 S59F JT6M MS 1533 50.230 G4PCI  
03250909 S59F JN65>IO71 1479 50.230 J GW6TEO  
03271417 S59F CQ JT6M MS 1366 50.230 GU8FBO  
03271700 S57RR 539>JN88FF 196 50.099 OZ1SOW  
03291439 S59 JT6M IVO 468 50.230 J SP9HWY  
03301625 S59F QUICK MS 1533 50.230 J G4IGO  
03301755 S59F 468 50.230 H SOSAS



**SPAIN**

03021310 EBIEHO CQ JT6M MS 943 .230 H GU8FBO  
03090721 EBIEHO 3.4S, 5DB 983 50.230 J F8RZ  
03091520 EBIEHO CQ JT6M 1122 50.230 G4PCI  
03101527 EBIEHO CQ JT6M 1122 50.230 G0CHE  
03110805 EBIEHO 27 IN73DM>JN64FD 1455 IW4ARD  
03110935 EBIEHO JT6M MS 1122 50.230 J G0CHE  
03121023 EBIEHO CQ JT6M 1122 50.230 G0CHE  
03121311 EBIEHO JT6M MS 1122 50.230 G4PCI  
03131136 EBIEHO CQ JT6M MS 943 .230 GU8FBO  
03151648 EBIEHO CQ JT6M 1122 50.230 G0CHE  
03180956 EAIKV JT6M MS 1122 50.230 G0CHE  
03211125 EBIEHO JT6M MS 943 50.230 GU8FBO  
03221024 EBIEHO CQ JT6M 1122 50.230 G0CHE  
03230929 EBIEHO JT6M MS 943 50.230 G0CHE  
03241407 EAIKV JT6M MS 1122 50.230 G4PCI  
03250858 EBIEHO JT6M MS 1453 50.230 G6WTEO  
03251249 EBIEHO JT6M MS 1122 50.230 G4PCI  
03252055 EBIEHO CQ JT6M 1122 50.230 G4PCI  
03260820 EBIEHO JT6M MS 1122 50.230 G4PCI  
03260904 EBYCOL JT6M MS 1122 50.235 G4PCI  
03260951 EBIEHO IN73>JN18 821 50.230 F5DQK  
03280803 EBIEHO IN73>JN18 821 50.230 F5DQK  
03291450 EHSOWS JT6M IN73>JN18 821 50.230 F5DQK  
03291735 EBIGQB JT6M IN73>JN18 821 50.230 G4PCI  
03311345 EBIGQB JT6M RUBEN 1122 .230 J G0CHE

**SWEDEN**

0303061808 JWSIX 559 1778 50.047 B OH6HFV  
03211178 JWSIX AU-E 1778 50.047 B OH5LK  
03211175 JWSIX 569 AUE 1778 50.046 B OH5LK  
0330301955 JWSIX 599 JQ68 2557 50.048 B SM2CEW

**SWITZERLAND**

03011853 SMSLE 685 50.230 SP9HWY  
03040838 SM3BIU JT65A IONO -18DB 1250 GM4TSM  
03041449 SMSDSB CQ 50.110 SM1TDE  
03051647 SMGVE CQ JT6M 125 50.230 OZ1DUJ  
03091842 SM7N 125 50.150 W OZ9KY  
03091918 SMGWT JT6M MS 1202 50.230 G4PCI  
03091957 SMGWT 568 50.230 J LA8NK  
03092100 SMOBSO PETER 685 50.233 SP9HWY  
03092116 SM3BEI JT6M 568 50.223 J LA8NK  
03092151 SMGWT 235 125 50.230 OZ1DUJ  
03161029 SM7DLZ W/ G4DEZ 1230 50.220 GU8FBO

**SWITZERLAND**

03041316 HB9SIX 219 JN47>JO50 364 B DK2EA  
03091512 HB9SIX 319 JN47QF>JO50 382 B DK2EA  
03101639 HB9SIX JN47QF>JO50 382 .058 B DK2EA  
03111009 HB9SIX 219 JN47QF>JO50 382 B DK2EA  
03141419 HB9SIX 529TR JN47QF>JO50 B DK2EA  
03161258 HB9SIX 539 JN47QF 382 .058 B DK2EA  
03171704 HB9SIX 539 >JO50 382 50.058 B DK2EA  
03180758 HB9MFD JT6M MS 1038 50.230 OZ1DUJ  
03191636 HB9SIX 539 JN47>JO50 364 B DK2EA  
03221612 HB9SIX 419 >JO50 382 50.058 B DK2EA  
03231550 HB9SIX 539 JN47 364 50.058 B DK2EA  
03241532 HB9SIX JN47>JO50 364 50.058 B DK2EA  
03261023 HB9SIX 319 JN47QF>JO50 382 B DK2EA  
03300917 HB9MFD CQ JT6M JN47 624 PF7M  
033111547 HB9QJ IN18GR>JN47 498 .230 H F5DQK  
03311550 HB9QJ 859 50.230 H G4DEZ  
03311648 HB9SIX 219 JN47>JO50 364 B DK2EA

**UKRAINE**

03010645 UT4UO 3.5 S 1287 50.230 J SP9HWY  
03030724 UT4UO CQ JT6M 1287 50.230 SP9HWY  
03030735 UT4UO 4DB 1868 50.230 H OZ1BNW  
03091308 UT4UO MS JT6M 1868 50.230 H OZ1DUJ

**WALES**

03021434 GW6TEO CQ JT6M 333 50.230 G4PCI  
03051517 GW6TEO CQ JT6M 333 50.230 G4PCI  
03061540 GW3ORL CQ JT6M 333 50.230 G4PCI  
03070954 GW4ISM/M MS/TR 333 50.180 J G4IGO  
03071429 GW6TEO JT6M 573 50.230 GU8FBO  
03101001 GW4ISM/M JT6M IO90>IO73 431 J G0CHE  
03111121 GW3ORL CQ JT6M 333 50.230 G0CHE  
03141004 GW3ORL IO81NO>IN73DM 923 EB1EHO  
03170929 GW3ORL CQ JT6M 573 50.230 GU8FBO  
03172020 GW6TEO CQ JT6M 333 50.230 G4PCI  
03181100 GW6TEO CQ JT6M 333 50.230 G4PCI  
03190912 GW6TEO JT6M MS 929 50.230 OZ1DUJ  
03190932 GW6TEO CQ 1146 50.230 LA8NK  
03201922 GW3ORL CQ JT6M 333 50.230 G4PCI  
03222043 GW6TEO CQ JT6M 333 50.230 G4PCI  
03231556 GW6TEO CQ JT6M 333 50.230 G4PCI  
03250932 GW6TEO IO71>JN45 1225 .230 I2KBD  
03260915 GW6TEO CQ JT6M 333 50.230 G4PCI  
03261022 GW6TEO IO71>JN18 619 50.230 F5DQK

**Reports of North America****ALASKA**

03190723 NL7Z 59 BP51>BP54 50.125 S KL7NO

**CANADA, Eastern**

03070522 VE3GIB FN25 854 50.125 WZ8D  
03111427 VE3UBL FN03>EM89 555 50.059 B WZ8D  
03171620 VE3UBL 1787 50.058 B KE4WBO  
03181322 VA2ZFN 569 FN08 50.0075 B VE2XK  
03182105 VE2YAT 41A FO40>FN07 50.054 B VE2XK  
03182106 VE3UBL 51A FN03>FN07 50.059 B VE2XK  
03182115 VE3GIB 57A FN25>FN07 50.091 VE2XK  
03182224 VE3FOD 52A FN76>EN44 517 K9MU  
03190018 VA2ZFN 51A 730 50.007 B K9MU  
03190038 VE3TFU 51>FN31 590 50.125 KA1VEC  
03190359 VE2YAT 41A FO40>FN07 50.054 B VE2XK  
03190454 VE3/W4TAA FN14>EM89 50.135 WZ8D  
03190539 VE3/W4TAA 55A FN14 50.125 WZ8D  
03191444 VE3/W4TAA FN14>EM89 744 WZ8D  
03191622 VE3/W4TAA 559 BSC FN14>FN13 K2ERG  
03240310 VE3/W4TAA FN14>EM89 50.125 WZ8D  
03270101 VA2ZFN WEAK AUR>FN44 50.007 B K1TOL

**CANADA, Northern**

03190356 VE8BY 57A FP53>FN07 50.0497 B VE2XK  
03190717 VE8NSD 59 DP20>BP54 50.125 S KL7NO

**CANADA, Manitoba, VE4**

03062244 VE4ARM 51A 1180 50.019 B K9MU  
03070049 VE4ARM 57A 1180 50.019 B K9MU  
03181022 VE4ARM 54A 1180 50.018 B K9MU  
03182103 VE4ARM 51A EN09>EN44 821 B K9MU  
03182130 VE4VHF 52A EN19>EN44 717 B K9MU  
03182221 VE4ARM 53A 1180 50.019 B K9MU  
03190022 VE4ARM EN09>EN17 50.019 B W7MEM  
03190023 VE4VHF 51A EN19>DN17 50.036 B W7MEM

03190402 VE4SPT 59AUE EN26>FN07 .025 B VE2XK  
03190442 VE4VHF 42A 1483 50.036 B WZ8D

**CANADA, Alberta, VE6**

03190008 VEGEMU 55A >DN17 50.043 B W7MEM  
03190440 VEGEMU 59A DO33>EO15 50.041 B VE4SA  
03200354 VEGEMU 53A >DO20 50.041 B VE6PY

**CANADA, British Columbia, VE7**

03190009 VE7DAY CO70>DN17 AUR 50.125 W7MEM  
03190010 VE7LGF CO90>DN17 AUR 50.125 W7MEM  
03190020 VE7FG 52A CO83>DN17 W7MEM  
03190027 VE7DAY 33 CO70>DN17 KE7DJL  
03190043 VE7DAY CO70>CN85 AU 575 WORLI  
03190045 VE7XF CN89>CN85 444 WORLI  
03190052 VE7DAY 42A CN85 1779 N7DB  
03190053 VE7ARC 373 45° -0117 50.044 B VE7SKA  
03190111 VE7DAY CO70>CN87 50.125 C K7CW  
03190111 VE7DAY CO70>CN87 AUR 50.125 K7CW  
03190404 VE7DUB 57AUE CO88>FN07 .125 VE2XK  
03190556 VE7FG 377 30° -0614 50.033 B VE7SKA  
03190706 VE7DUB 59 CO88>CF54 50.125 S KL7NO  
03211513 VE7DUB 55A >DO33 W VE6JW

**COSTA RICA**

03121932 TI8CBT EJ79 PUNTARENAS .110 TI2ALF  
03162128 TI8CBT 5725 PP5AR

**GUATEMALA**

03230107 TG9SO 519>GG48 5920 50.011 B PY2SRB

**MARTINIQUE**

03062154 FM5JC ERIC 6999 50.110 F5PTM  
03272315 FM5JC 599 4951 50.110 PP5UD

**MEXICO**

03051518 XE2OR DL98>EM60 1371 50.260 N5BO

**PANAMA**

03230134 HP1RCP 519>GG48 4828 50.012 B PY2SRB

**PUERTO RICO**

03072353 WP3UX CQ DX 5571 50.110 PP5AR  
03080022 WP3UX 238 50.110 KP2HC  
03092219 WP4KJJ 5571 50.110 PP5AR  
03092220 WP3UX 5571 50.110 PP5AR  
03092257 WP4AZT 59>GF38 5756 50.110 PY3OG  
03100001 WP4KJJ 55>GG48 4775 50.110 PY2SRB  
03100003 WP4KJJ CQ 5571 50.110 PP5AR  
03112325 NP3CW CQ 5571 50.110 PP5AR  
03112329 NP3CW 59 CQ DX 5571 50.120 PY2SRB  
03132340 WP4KJJ 59 4816 50.110 K7HRT  
03132344 WP4KJJ 59 5571 50.110 PP5UD  
03150036 KP3A CQ 5571 50.110 PP5AR

**ST BARTHELEMY**

03090003 FJ5DX 55 5331 50.110 PP5UD  
03112333 FJ5DX CQ 5331 50.110 PP5AR

**ST KITTS & NEVIS IS.**

03020207 V44KAI 539>GG48 4528 50.055 B PY2SRB  
03070103 V44KAI 539>GG48 4528 50.055 B PY2SRB  
031822304 V44KAI FK87>FK77 212 50.055 B KP2HC



03191509 V44KAI FK87>FK77 212 50.055 B KP2HC  
03202134 V44KAI FK86>FK77 239 50.055 B KP2HC  
03230251 V44KAI V19>GG48 4528 50.055 B PY2SRB  
03310031 V44KAI FK87>FK77 212 50.550 B KP2HC  
03310100 V44KAI V19>FK68 437 50.055 B WP3UX

# VIRGIN IS.

03070010 NP2/N2TK 1647 54.035 N4UM  
03080015 KP2HC 55 FK68 238 50.110 H WP3UX  
03090037 KP2HC 238 50.110 H WP3UX  
03142234 KP2BH 55 FK68 238 50.110 H WP3UX  
03182015 KP2HC 55>FK68 238 50.110 H WP3UX

# United States, W1

03031547 KB1LKB FN31 M/S 845 50.125 WZ8D  
03031949 W1JY QY STRONG 6774 50.206 ON4ID  
03032029 W1JY JY65A EME -22 4969 G4PCI  
03042222 W1JY JT65A -23 EME 50.204 J K6QXY  
03051435 W1/WA2SPL 559 FN35>EM89 1055 WZ8D  
03051452 W1/K7BV FN31>EN41VR K2DRH  
03070509 W1T NICE 1078 50.125 WZ8D  
03080042 K1GUN 1987 50.124 N4BAA  
03110353 W1/K7BV CQ CW 1078 50.125 WZ8D  
03111346 KB1LKB FN31>EM89 873 50.125 WZ8D  
03112330 W1T 50.125 K1TTT  
03180218 K1BO EM95>EM89 478 50.125 WZ8D  
03182123 K1GUP 57A FN54>FN07 50.125 VE2XK  
03182140 K1GUP 52A/FN54 FN35>FN54 333 VA2WDQ  
03190501 KB1LKB FN31>EM89 873 50.145 WZ8D  
03191426 W1/WA2SPL FN35>EM89 1055 WZ8D  
03220251 W1/WA2SPL FN35>EM89 1055 WZ8D  
03251345 W1/K7BV FN31>FM19 404 .125 W3UR  
03251618 W1/K7BV 65 FN31>EM89 873 WZ8D  
03261309 W1/K7BV LOUD FN31 845 .125 WZ8D  
03261323 W1/WA2SPL FN35>EM89 1055 WZ8D  
03271550 K1SG 20 EME 3902 50.192 J K7AD  
03271803 W1JY 17 EME 3902 50.192 K7AD  
03291753 W1JY 18DB EME 5404 50.203 PE1RTX  
03301930 W1JY -20 EME JT65 4969 J G4PCI

# United States, W2

03041530 AG2A 441 FM30>EM60 1340 255 N5BO  
03060247 K2DRH EN41>EM89 711 50.145 WZ8D  
03130244 W2GFF EM60>EM89 1064 50.145 WZ8D  
03191416 K2DRH 57 EN41>EM89 711 .125 WZ8D  
03251348 W201B FN20>FM19 203 50.125 W3UR

# United States, W3

03080030 N3DL FM18 2195 50.125 KD5IKG  
03082159 N3LL EN90>EN80 169 50.068 B N4DB  
03100413 K3DOW <CN84 N7MWL  
03111226 AB3BK FL18>EM60 1431 50.125 N5BO  
03130302 K3XL EN17>EM89 1334 50.145 WZ8D  
03172246 W3/W1PL FM09>EM89 343 .125 WZ8D  
03173239 W3/W1PL FM09>FN43 800 .125 H W1AT  
03190106 K3KYR 24 662 50.126 K1GUP  
03200051 W3/K2LNS FN21>FN20 111 .125 KB0FHP/3  
03202158 W3GLH EN91 353 50.125 N3DB  
03202208 W3GLH EN91 1445 50.125 N4DB  
03202237 N3AUS EN91>EL29 1835 50.125 KE5DFA  
03202308 W3GLH EN91>EM10 1882 50.125 K5AEM  
03210020 W3HH 519 EL89>EL96 387 .061 B KE4WBO  
03210054 W3GLH EN91>EN80 201 50.125 N4DB  
03210118 W3 PA >EM09 N0LL  
03210130 W3VD FM19>EM18 50.064 B N0JK/M

03220026 K3TKJ S5 FM28>EN91 K8MMW  
03251411 KE3WM FN00>EM89 358 50.125 WZ8D  
03251418 K3JRD FN00 338 50.125 WZ8D  
03251619 WB3ANT FN21 M/S 680 50.125 WZ8D

# United States, W4

03041404 K4KO R26 EM66ud 50.260 W5UWB  
03041432 K4FJW R26 EM86vo 50.260 W5UWB  
03041438 K4TX 55 EM70>EL87 50.125 KD4ESV  
03041708 W4/W3HH WEAK EL89>EN52 .061 B K0ZR  
03060441 W4/W3HH 519 EL89 387 50.061 B KE4WBO  
03060442 K4HRS 539 EL98 222 50.067 B KE4WBO  
03060443 K4AHO 329 EL98 222 50.076 B KE4WBO  
03060445 W4CHA 529 EL88 297 50.080 B KE4WBO  
03080018 W4GCB 569 1987 50.125 W1JY  
03082220 K4JRU 1346 50.125 W1JY  
03091257 W4QOJ 1346 50.125 K8LEE  
03110430 W4VUT EM60>EM89 1064 .125 WZ8D  
03110441 W4TAA EL87>EM89 1334 50.125 WZ8D  
03111233 W4WA EM84>EM60 581 50.125 N5BO  
03111407 W4WA EM84 693 50.125 WZ8D  
03111407 W4WA EM84 693 50.145 WZ8D  
03111711 K4LHQ 53 EM67>EM79 50.145 W81F  
03111733 KE4WBO 439>EM79 50.145 W81F  
03120324 K4JHF EM86>EM89 333 50.130 WZ8D  
03120327 W4TAA 559 EL87 1445 50.125 WZ8D  
03130152 N4SYH CALLING 1383 50.125 AK3E  
03130236 W4TJ FM08>EM89 363 50.145 WZ8D  
03130242 W4TAA 559 EL87>EM89 1334 WZ8D  
03180154 W4NKM 1383 50.125 N3GH  
03191206 W4WA EM84>EM89 555 50.125 WZ8D  
03191242 K2RR EM90 FL 1987 50.125 K1TTT  
03191257 K2RR EM90>EL99 111 50.125 W2RAC/4  
03191337 AC4TO 57 EM70>EL87 50.125 KD4ESV  
03191551 K4RKB 59 EN82>EM70 1345 K4RX  
03200112 W4MD CQ 1383 50.130 N3DB  
03202220 K1DQJ 58 >EM35 K5E1Y  
03210021 W4CHA 519 EL88>EL96 297 B KE4WBO  
03211319 K4LHQ EM67>EM89 412 50.125 WZ8D  
03251310 K4Q1 559 FM06>EM70 868 .125 K4RX  
03251314 W4/W0AH 449 EM85>EM70 586 K4RX  
03312336 W4TAA 55 EM87>EM70 799 .125 K4RX

# United States, W5

03040001 W5QEP/M IA >EL96 K64RWO  
03040008 KE5GAY EM40>EL96 W5UWB  
03041425 N50SK R26 EM25 50.260 W5UWB  
03041438 N5BO R26 EM60oJ 50.260 W5UWB  
03051512 K5CZD 441 EM32>EM60 610 N5BO  
03080052 N5BO 549 2896 W1JY  
03080136 W5WVO 52 DM65>EL17AX S W5UWB  
03080147 W5WVO 52 DM65>EL17AX K07WPJ  
03181112 W5GTA EM20>EM84 1208 50.125 W4WA  
03192319 W5RP 599 DM91 50.074 B K0JLC  
03192346 W5S >DM34 H W7JLC  
03202228 K5AB 439 2271 50.060 B N3DB  
03202309 K5AB >FM09 B W1PL/3  
03202319 KD5WVL 57 EM05>EM76 W4FLM  
03261305 K5SW EM25>EM89 1146 50.125 WZ8D  
03301409 K5EWS EM10>EL17 52.525 F KE5CVM

# United States, W6

03022111 K6QXY -22 EME 8816 50.200 H PE1BTX  
03111342 W6/YB1BOD EM48 50.125 NVGR/0  
03191743 WA6PEV MS >CN85 50.125 H N7DB

03191752 WA6PEV MS DM15>CN85RL W KI7JA

# United States, W7

03010309 N7DB CN85 1779 50.067 B W0RLI  
03080059 N7SQN DM41>EM02 1136 50.125 AE5B  
03080118 W7RV DM35>EM02 1331 50.068 B AE5B  
03080210 K7TOP DM43>EM04 K52XE/M  
03190040 W7FHI CN96>DM70 1448 50.125 K0GU  
03190041 NW70 59A DN47>DN70 913 .125 K0GU  
03192337 K7VNU DM59>EM13 WA5OIT  
03271535 K7AD JT65A -25 8608 50.192 G4PCI

# United States, W8

03041802 WA8FTA SHORT BURST >EM20 H W5GTA  
03072140 W8JKS EM89>EN80 111 50.125 N4DB  
03080128 W8JOD/M DM41>EM02 1136 .125 AE5B  
03110040 W8s >EM20 W5GTA  
03110333 W8s >FN21 50.125 KC2NWV  
03110437 WZ8D EM89>EM60 1064 50.125 N5BO  
03111400 WZ8D 55 TR 1346 50.125 W4WA  
03182118 WD8OST 55A 353 50.130 K9MU  
03182227 WD8OST 53A EN76>EN44 517 K9MU  
03182311 WD8OST 54A 353 50.125 K9MU  
03200114 K8MMM CW 507 50.125 N3DB  
03210118 W8 OH >EM09 N0LL  
03210414 WZ8D 559 JOHN 507 50.130 N3DB  
03251343 K8MMM 599 PING EN91>EM70 1274 K4RX  
03251511 N8CJK EN84>EM89 555 50.125 WZ8D  
03261305 WZ8D SC EN89>EM25 50.125 C K5SW

# United States, W9

03041426 WB9F R26 EM57qq 50.260 W5UWB  
03041446 K9KNW R26 EL96ec 50.260 W5UWB  
03052219 W9VW EN80>EM69 358 50.069 B N4DB  
03070114 KA9CFD 53A 50.125 K9MU  
03082209 W9VW EM69>EN80 358 50.125 N4DB  
03182116 K9MU 51A EN44>FN07 50.091 VE2XK  
03182126 K9FQD 52A EN54>EN44 158 K9MU  
03182138 K9KHV 59A EN63>EN44 338 K9MU  
03182359 K9FQD AU EN54 371 50.125 K9MU  
03190017 K9CEG 57A EN53>EN44 194 K9MU  
03190452 WR9L 51A EN57>FN07 50.077 VE2XK  
03202317 KC9GOL 59 EM69>EL29 1330 KE5DFA  
03210014 KC9IFZ 59 EN61>DM65 W5WVO  
03220006 KB9WL EM57>EM89 567 50.125 WZ8D

# United States, W0

03020215 K0VUY EM48>EM89 699 50.125 WZ8D  
03031537 K0VUY 59 EM48>EM89 699 .125 WZ8D  
03032145 K0VUY 53 EM48>EM79 530 .125 W81F  
03041416 N0PB R26 EM39wo 50.260 W5UWB  
03041504 K0HNLN R26 EN32t1 50.260 W5UWB  
03061242 K0VUY EM48>EM89 699 50.125 WZ8D  
03070050 K0KP 58A EN36>EN44 271 .073 B K9MU  
03070051 N0UD 53A DN87>EN44 983 .069 B K9MU  
03070052 K0GUV 53A 1535 50.008 B K9MU  
03070056 NOVZJ 58A VINCE 1535 50.125 K9MU  
03070121 K0QL 55A EN18>EN44 638 .125 K9MU  
03070258 K0GUV 51A 1535 50.008 B K9MU  
03080140 WA0YPL 53 DM37>EL17AX S W5UWB  
03081642 K0VUY 2377 50.125 W3UR  
03110038 K0VUY VY LOUD EM48 1213 WZ8D  
03110333 W0s >FN21 50.125 KC2NWV  
03110502 K0GUV WEAK 1872 50.008 B WZ8D  
03110505 K0KP EN36>EM89 1123 50.073 WZ8D



03181023 KOGUV 52A CHIRPY 1535 .008 B K9MU  
 03181100 KOKP 55A EN36>EN84 50.073 B N8CJUK  
 03182102 KOKP 54A EN36>EN44 271 .073 B K9MU  
 03182107 KOKP 51A EN36>FN07 50.0734 B VE2XK  
 03182122 KOGUV 53A EN26>EN44 382 B K9MU  
 03182131 KOKP 55A EN36>EN89 1123 B W28D  
 03182148 NOUR 52A EN35>EN44 192 .099 K9MU  
 03182242 WOOSP EN17>EN44 570 50.125 K9MU  
 03182349 KOWJ 57A ROGER 1535 50.125 B W7MEM  
 03190015 NOVJZ 59A EN35>EN44 192 K9MU  
 03190021 NOUD 58A DN87>DN70 794 .069 B KOGU  
 03190023 KOKP 53A EN36>DN70 1173 KOGU  
 03190034 NOVJZ EN55>EN35 311 50.130 KE9S  
 03190436 NOFW CQ EM79 1712 50.095 W28D  
 03191153 KOKP 529 EN36>EM89 1123 B W28D  
 03191516 KOKP EN36 M/S AU 1245 .073 B W28D  
 03200454 KOVUY EM48>EM89 699 50.125 W28D  
 03202248 KOATQ EM29 1773 50.125 K4DLI  
 03202307 KOHFL EM83>EM17 1341 .125 AG4ZE  
 03220005 KOVUY EM48>EM89 699 50.125 W28D  
 03252214 KOKP >EN24 >EN24 B NOVQA  
 03291247 KOVUY EM48 1213 50.125 W28D

## Reports of Oceania

### AUSTRALIA, General

03190744 VK TV VID S5 >PM74 46.24 V JG3LEB

### Australia-Queensland-VK4

03303060 VK4 TV VID S9 >PM74 46.172 V JG3LEB  
 033040337 VK4 TV VID S7 >PM74 46.172 V JG3LEB  
 033050652 VK4 TV VID S9 >PM74 46.172 V JG3LEB  
 03120524 VK4 TV VID S9 >PM74 46.172 V JG3LEB  
 03130735 VK4 TV VID S9 >PM85 46.172 V JAZDDN  
 03150535 VK4RTL S9 >Q05 50.0875 B JALVOK  
 03150542 VK4ABW 59 >Q05 50.120 S JA5CMM  
 03150550 VK4ABW 59 >Q05 50.120 S JALVOK  
 03160400 VK4RTL >Q05 50.0875 B JALVOK  
 03160505 VK4ABP >Q05 52.3465 B JALVOK  
 03180623 VK4 TV VID S9 >PM74 46.172 V JG3LEB  
 03210415 VK4 TV S9+ >PM85 46.172 V JAZDDN  
 03212326 VK4RTL 55 B VK3  
 03220126 VK4 TV VID S6>PF95GA 46.172 V SWL  
 03220127 VK4RTL 549 >PF95GA 46.172 V JAZDDN  
 03220400 VK4 TV VID WEAK>PM85 46.172 V JG3LEB  
 0322156 VK4RG 59 50.058 B VK5UBC  
 03230048 VK4RTL S9 50.088 B JALVOK  
 03230327 VK4 TV VID 29+>Q05 46.172 V JG3LEB  
 03250633 VK4 TV VID S9 >PM74 46.172 V JG3LEB  
 03260453 VK4 TV VID S9 >PM74 46.172 V JG3LEB  
 03270402 VK4 TV VID S9+>PM85KE 46.17 V JAZDDN  
 03300436 VK4 TV VID S1-7>PM85 46.17 V JAZDDN

### West Australia-VK6

033030226 VK6RPH 50.066 B VK6HD  
 03110911 VK6KDD SSB STRONG 6190 .110 JG3LEB  
 03190744 VK6RSX 579 >PM74 50.3039 B JG3LEB  
 03190754 VK6KDD 6190 50.110 S JG3LEB  
 03240720 VK6RSX >PM85 6074 50.304 B JR2HCB  
 Australia-Northern Terr.  
 03120622 VK8RAS >PM85 5373 50.047 B JR2HCB

03120638 VK8RAS 5439 50.047 B JG3LEB  
 03120650 VK8RAS 599 >PM85 50.047 B JAZDDN

### MARSHALL IS.

03160412 V73SIX >PM95 50.014 B JE1CUS  
 03160430 V73SIX 599 @ 0450 50.014 B JALVOK

### NEW CALEDONIA

03030530 FK8SIX >PM95 50.080 B JALRJU  
 03230340 FK8SIX >Q0M5 50.080 B JALVOK

### NEW ZEALAND

03030604 ZL TV VID S3 >PM74 45.25 V JG3LEB  
 03070127 ZL TV VID WEAK >CM88 45.26 V K6QXY  
 03180623 ZL TV VID S7 45.24, S5 45.26 V JG3LEB

## Reports of South America

### ARGENTINA

03020136 LU2SIX 449 50.008 B PJ2/W9JUV  
 03030155 LU3EE 57 Anibal GF05 50.110 PJ2/W9JUV  
 03030159 LW3EWZ 57 Gus 50.110 PJ2/W9JUV  
 03060214 LU1FA 56 Carl GF97 50.110 PJ2/W9JUV  
 03080001 LU8DIO 59 GF05>GG67 1773 Z22TUA  
 03080015 LU5JAU 59>GG67J1 1747 .110 Z22TUA  
 03082319 LU8DCH 599 >GG48 1643 .082 B PY2SRB  
 03090019 LU1FA 54 5952 50.120 S WP3UX  
 03090043 LU8EMH JUAN 5952 50.110 KP3A  
 03090044 LU8EE 5952 50.110 KP3A  
 03090051 LU2NI 5952 50.110 KP3A  
 03090052 LU2NI 51 5952 50.110 S WP3UX  
 03092233 LU8EMH 52 5952 50.110 W WP3UX  
 03092243 LU2DPW 52 5952 50.115 W WP3UX  
 03092255 LU8DCH 599 >GG48 1643 .082 B PY2SRB  
 03112255 LW3EX GF05>GI64 3452 50.110 PR8ZX  
 03112304 LU4DMX GF05>GI64 3452 .130 PR8ZX  
 03120023 LU7HCS CQ 1158 50.110 PR8ZX  
 03121648 LU1WDY 599 50.071 B LU9MRG  
 03142338 LW3EWZ CQ GF05 1158 50.110 PR8ZX  
 03150002 LU6Q1 1158 50.110 PR8ZX  
 03152155 LU8DCH 599 >GG48 1643 .082 B PY2SRB  
 03152229 LW3EX CQ 1158 50.110 PP5AR  
 03162127 LW3EWZ 1158 50.110 PP5AR  
 03190218 LW6HAR GI64>FF78 3445 .110 PR8ZX  
 03192231 LU8DIO 4 LUS >DM33 K7JE  
 03192238 LU6Q1 9258 50.120 AA7A  
 03192251 LU6Q1 >DM33 K7JE  
 03212031 LU8EMH 57 FF94>FK68 6036 WP4NIX  
 03212050 LU9AEA 50.115 NL7AU/4  
 03212105 LU8EEM 59 FF95>FK68 5926 WP4NIX  
 03212114 LW3EWZ 58 FG05>FK68 4954 WP4NIX  
 03212118 LU8EMH CQ 50.110 NL7AU/4  
 03212128 LU2DXK 50.110 NL7AU/4

### BRAZIL

03020140 PY2SRB 59 Silva 50.110 PJ2/W9JUV  
 03030202 PY5IP 53 Dick 50.110 PJ2/W9JUV  
 03030204 PR8ZX 56 Pedro GI64 50.110 PJ2/W9JUV  
 03060210 PP5AR 53 GG51 50.110 PJ2/W9JUV  
 03060218 PU3PT 33 50.110 PJ2/W9JUV  
 03060230 PY1AT 59 Marcos GG87 50.115 PJ2/W9JUV  
 03070026 PY1AT CQ 4951 50.110 FM5JC  
 03072335 PY2SRB GG48 803 50.110 W PY3KN  
 03072349 PP5AR 51>FK68 5571 50.110 H WP3UX

03090002 PY5AQ CQ SSB 4951 50.110 FM5JC  
 03092221 PP5AR 52 5571 50.110 W WP3UX  
 03092308 PY3DU 50.110 PP5AR  
 03092309 PY3KN CQ 50.110 PP5AR  
 03112327 PP5AR CQ 50.110 PR8ZX  
 03112340 PP5AR 51>FK68 5571 50.110 H WP3UX  
 03112342 PY2RA 51>FK68 5571 50.110 H WP3UX  
 03142339 PR8ZX 58 GF15 1009 50.110 CX4CR  
 03150004 PY3WN 50.120 PR8ZX  
 03150007 PY5ZHP GI64>GG44 2263 .120 PR8ZX  
 03152129 PW8TR 59>GF15 1009 50.110 CX4CR  
 03162112 PW8TR CQ 50.110 PP5AR  
 03232328 PP5FMM 59 CQ 4951 50.110 FM5JC  
 03240037 PP5AR 53 4951 50.110 FM5JC  
 03271824 Z21JDR W/ CX5CR GF15 1009 CX4CR  
 03272317 PY2KP 599 559 GG66 4490 FM5JC

### CHILE

03082236 XQ6ET 53 5907 50.110 S WP3UX  
 03142157 CE4ETZ NO TAKERS 2184 .110 PY2SRB  
 03151721 XQ6ET 59>GF15 1281 50.110 CX4CR  
 03172056 CE1/MUSIC 48.3 48.4 7082 KE4WBO  
 03192209 CE MUSIC >DM33 K7JE  
 03192326 CE MUS VY WK>DM65RD 47.900 F N5JEH  
 03202157 CE MUSIK S1 >CM88 47.9 F K6QXY  
 03202159 CE MUSIC >CM88 F K6QXY  
 03211927 CE MUSIC S1-7 >EL87 47.900 F K4EFSV  
 03212226 CE MUSIC >DL44UC 47.900 F XE2HMB  
 03222258 CE MUSIC >DL44UC 47.900 F XE2HMB  
 03312318 CE Music >DL44UC 47.900 F XE2HMB

### CURACAO NETH. ANTILLES

03030206 PJ2/W9JUV FK52>GI64 3148 PR8ZX  
 03070011 PJ2/W9JUV CQ 5040 50.110 PR8ZX  
 03070016 PJ2/W9JUV 77>GG51KR 5011 PP5AR

### GUYANA

03070133 8R1EA 51 >GG48 3232 50.110 PY2SRB

### PARAGUAY

03100022 ZP5CGL W/ WP4KJU>FK68 5009 WP3UX  
 03112301 ZP6CW 579 859 50.110 PR8ZX

### TRINIDAD & TOBAGO

03010040 9Y4AT 559 4523 50.015 B PP5JD  
 03062340 9Y4AT 559 >GG48 3721 50.015 B PY2SRB  
 03082358 9Y4AT WEAK 4523 50.015 B PP5JD

### URUGUAY

03112056 CX3AN GF15 50.110 CX4CR  
 03112256 CX7BBR CQ 1009 50.110 PR8ZX  
 03142335 CX4CR GI64>GI15 1113 50.110 PR8ZX  
 03212101 CX1AO 59 GF15>FK68 5986 WP4NIX  
 03212102 CX2AQ 50.100 NL7AU/4  
 03212123 CX5CR 50.110 NL7AU/4

### VENEZUELA

03020135 YV4AB 579 50.124 B PJ2/W9JUV  
 03020209 YV4AB 559>GG48 4064 50.025 B PY2SRB  
 03070108 YV4AB 419 >GG46 4256 50.026 B PY5EW  
 03230250 YV4AB 539>GG48 4064 50.025 B PY2SRB  
 03272313 YV4AB 559 4839 50.025 B PP5JD  
 03272322 YV4DYJ VICTOR FK60>GG52 4747 PP5JD